

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 2M/2AS41/1	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 03/14813	International filing date (day/month/year) 22/12/2003	(Earliest) Priority Date (day/month/year) 20/12/2002
Applicant BIODETECTION SYSTEMS B.V.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☒ furnished subsequently to this Authority in written form.

☒ furnished subsequently to this Authority in computer readable form.

☒ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☒ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No.

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

1
☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14813

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, EMBASE, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,Y	<p>QUAEDACKERS M E ET AL: "4-hydroxytamoxifen trans-represses nuclear factor-kappa B activity in human osteoblastic U2-OS cells through estrogen receptor (ER)alpha, and not through ER beta." ENDOCRINOLOGY. MAR 2001, vol. 142, no. 3, March 2001 (2001-03), pages 1156-1166, XP0001180339 ISSN: 0013-7227 abstract page 1157, right-hand column - page 1158, left-hand column page 1160, left-hand column; figures 1-5</p> <p style="text-align: center;">----- -/--</p>	1-17

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

13 April 2004

Date of mailing of the international search report

14/06/2004

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14813

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,Y	GRAD J M ET AL: "The androgen receptor (AR) amino-terminus imposes androgen-specific regulation of AR gene expression via an exonic enhancer." ENDOCRINOLOGY. MAR 2001, vol. 142, no. 3, March 2001 (2001-03), pages 1107-1116, XP0001180513 ISSN: 0013-7227 page 1108, right-hand column - left-hand column figures 4,5	1-17
X,Y	----- ROGATSKY I ET AL: "Factor recruitment and TIF2/GRIP1 corepressor activity at a collagenase-3 response element that mediates regulation by phorbol esters and hormones." THE EMBO JOURNAL. 1 NOV 2001, vol. 20, no. 21, 1 November 2001 (2001-11-01), pages 6071-6083, XP0001180511 ISSN: 0261-4189 page 6080, left-hand column - page 6081, left-hand column figures 1,2,4,5	1-17
Y	----- BEATO M: "GENE REGULATION BY STEROID HORMONES" CELL, CELL PRESS, CAMBRIDGE, NA, US, vol. 56, no. 3, 10 February 1989 (1989-02-10), pages 335-344, XP000051659 ISSN: 0092-8674 page 336; figure 2	9,13
Y	----- LEGLER J ET AL: "Development of a stably transfected estrogen receptor-mediated luciferase reporter gene assay in the human T47D breast cancer cell line." TOXICOLOGICAL SCIENCES : AN OFFICIAL JOURNAL OF THE SOCIETY OF TOXICOLOGY. MAR 1999, vol. 48, no. 1, March 1999 (1999-03), pages 55-66, XP0009028295 ISSN: 1096-6080 page 64, left-hand column	11,12
Y	----- US 2002/137019 A1 (MARKUS STEVEN ET AL) 26 September 2002 (2002-09-26) paragraphs '0163! - '0164!; figure 12	11,12
A	----- US 6 103 479 A (TAYLOR D LANSING) 15 August 2000 (2000-08-15) ----- -/--	

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/14813

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WILSON VICKIE S ET AL: "A novel cell line, MDA-kb2, that stably expresses an androgen- and glucocorticoid-responsive reporter for the detection of hormone receptor agonists and antagonists." TOXICOLOGICAL SCIENCES : AN OFFICIAL JOURNAL OF THE SOCIETY OF TOXICOLOGY. MAR 2002, vol. 66, no. 1, March 2002 (2002-03), pages 69-81, XP0009028294 ISSN: 1096-6080</p> <p>-----</p>	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/14813

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002137019	A1	26-09-2002	AU	4940101 A	08-10-2001
			WO	0172332 A1	04-10-2001
US 6103479	A	15-08-2000	US	5989835 A	23-11-1999
			AU	730100 B2	22-02-2001
			AU	6667898 A	18-09-1998
			CA	2282658 A1	03-09-1998
			CA	2410688 A1	03-09-1998
			EP	0983498 A1	08-03-2000
			JP	2000509827 T	02-08-2000
			JP	2002355090 A	10-12-2002
			WO	9838490 A1	03-09-1998
			US	6548263 B1	15-04-2003
			US	6671624 B1	30-12-2003
			US	2003096322 A1	22-05-2003
			US	6620591 B1	16-09-2003
			US	2004009539 A1	15-01-2004
			US	6416959 B1	09-07-2002
			US	6573039 B1	03-06-2003
			US	2004063162 A1	01-04-2004
			AU	734704 B2	21-06-2001
			AU	3297197 A	05-01-1998
			CA	2257287 A1	04-12-1997
			EP	0912892 A1	06-05-1999
			JP	2000512009 T	12-09-2000
			WO	9745730 A1	04-12-1997